



Sony TCM-919 Cassette-Corder Motherboard Replacement

This guide will provide instruction necessary to partially disassemble the Sony TCM-919 such that the motherboard, the primary device circuit, might be replaced. Instructions concerning safe and proper replacement of the motherboard will be provided.

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INTRODUCTION

This guide walks readers through the motherboard replacement process for the Sony TCM-919. This cassette-corder device is wired via a motherboard residing deep within the device. The greatest tasks of replacing the motherboard include location of parts to be removed and the physical removal of the parts. This guide aims to facilitate component location and removal in eight steps.



TOOLS:

- [Epoxy Removing Chemical](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Soldering Station](#) (1)



PARTS:

- [Sony TCM-919 Motherboard](#) (1)

Step 1 — Remove Back Cover



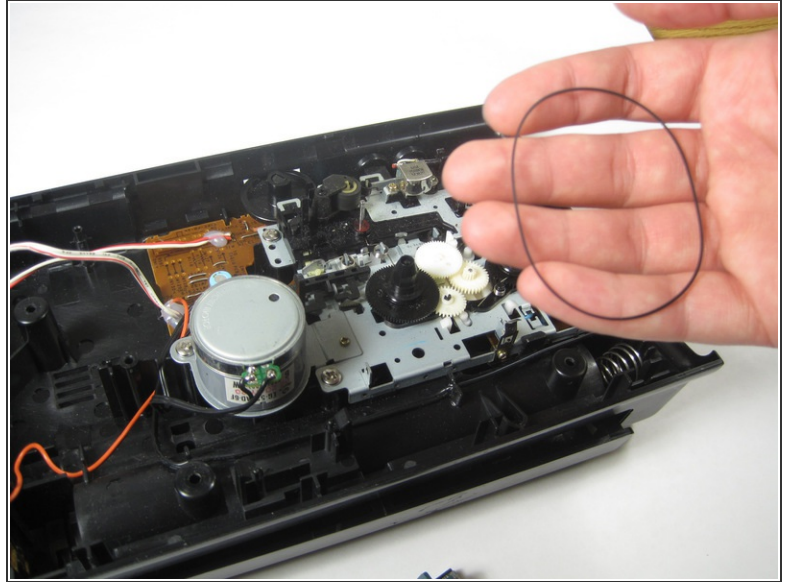
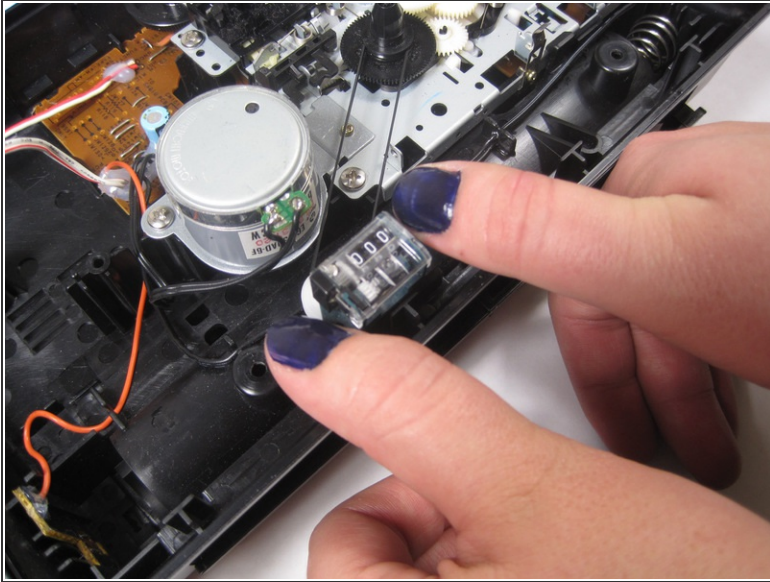
- Turn the device around so that the back cover is facing upward. Use your thumbs to press firmly down and then push the battery door cover open.
- Remove any batteries.

Step 2 — Back Cover Screw Removal



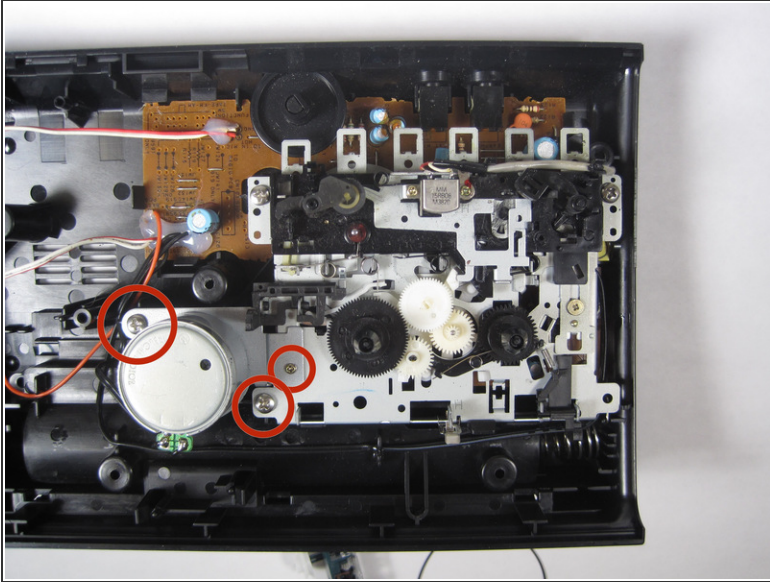
- Remove the 5 5.95mm screws as indicated in the picture using the Phillips Head screwdriver.

Step 3 — Remove 3-Digit Tape Counter



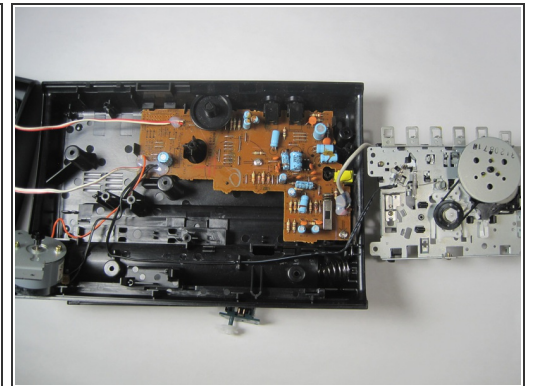
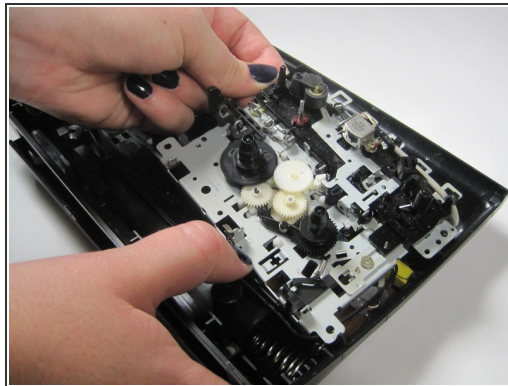
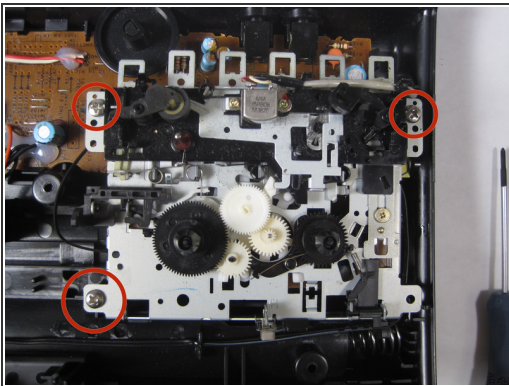
- Locate the 3-digit tape counter and gently push the tabs apart releasing the counter.
- Pull the 3-digit tape counter out.
- Remove the rubber band attaching the 3-digit tape counter to the cassette head.

Step 4 — Remove Motor



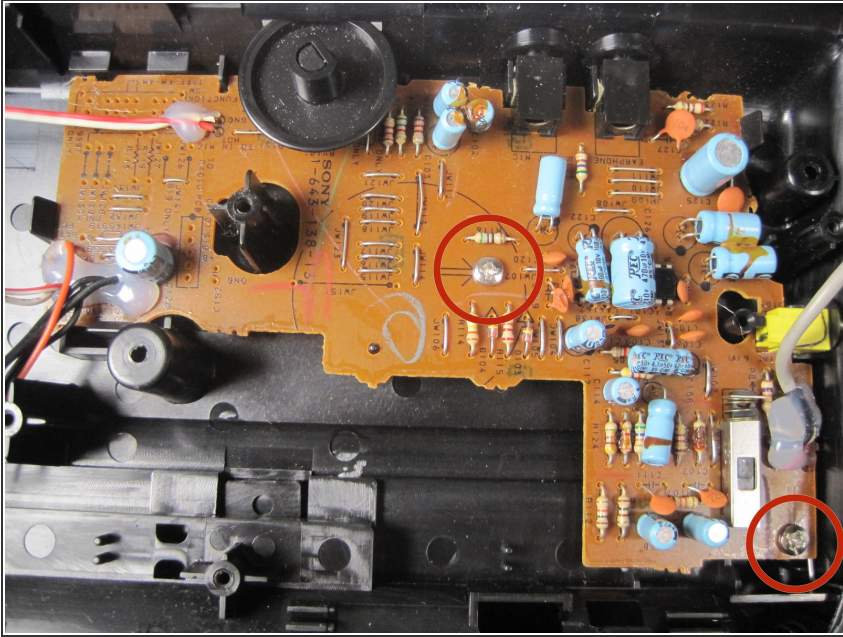
- Remove the screws as indicated in the picture using the Phillips Head screwdriver.
- Pull the loosened motor out of the device, and set the motor aside.

Step 5 — Remove the Tape Deck



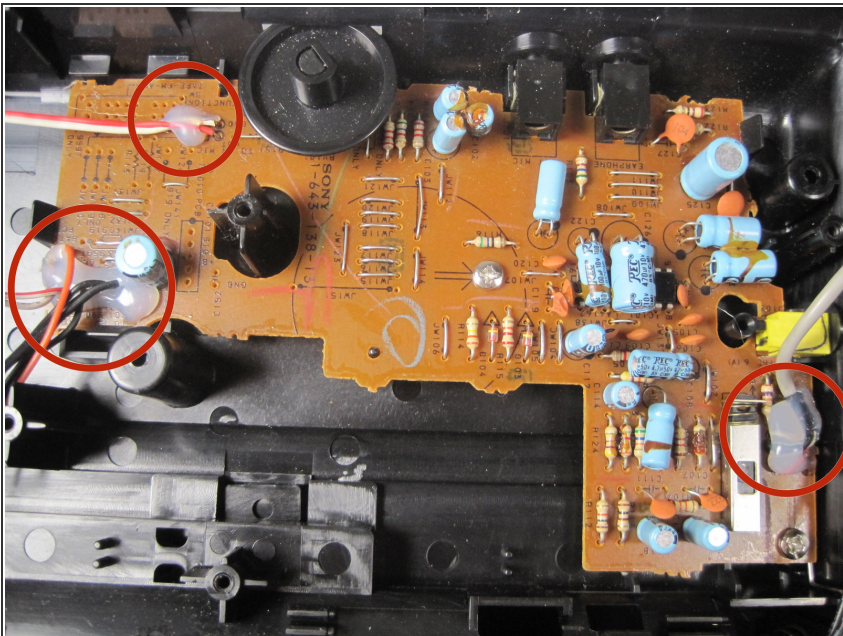
- Removes the 3, 5.95mm screws using the Phillips Head screwdriver as indicated by picture 1.
- Push firmly on the tabs and lift the tape deck out.
- Set the tape deck aside.

Step 6 — Remove Motherboard Screws



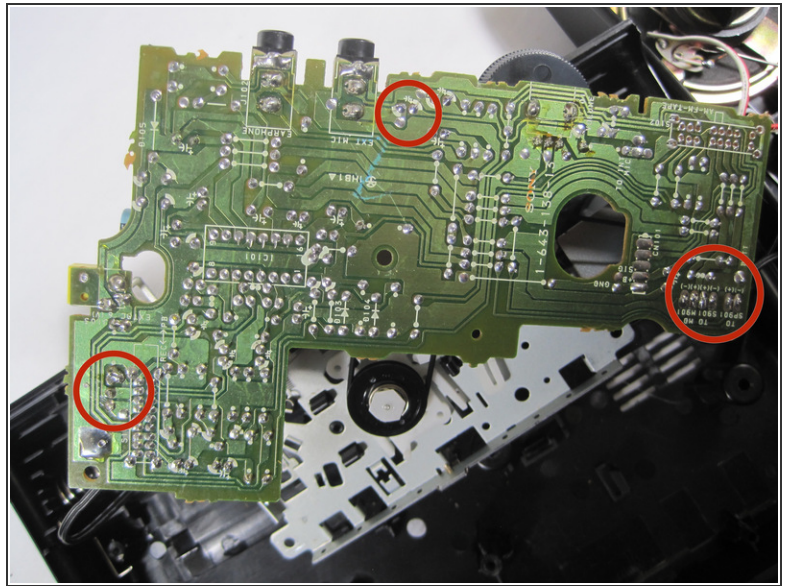
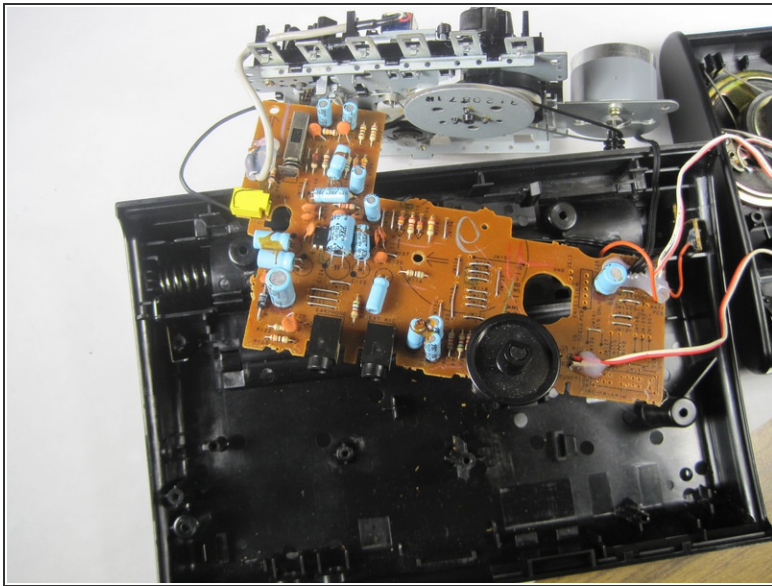
- Remove the 2 5.95mm screws as indicated by the picture using the Phillips Head screwdriver.

Step 7 — Remove Epoxy



- Remove the epoxy completely from the motherboard so that the wires underneath the epoxy can move freely.

Step 8 — Desolder Wires From Motherboard



- Remove the motherboard from case.
- Flip the motherboard around so that the metallic green side is facing you.
- Desolder the points indicated in picture 2. This should free the wires connected to the motherboard.
- Remove the motherboard by pulling it out of the device cavity.

To reassemble your device, follow these instructions in reverse order.

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